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IN THE CLAIMS

1. (Original) A phantom for MR applications evaluation comprising:
a structure constructed to support a plurality of sections;
a first section containing material to emulate the MR properties of white matter of a human brain;
a second section containing material to emulate the MR properties of gray matter of a human brain; and
wherein the MR properties of the first and second sections differ in proton density.
2. (Original) The phantom of claim 1 wherein each section contains paramagnetic salt and agarose gel for T1 and T2 control.
3. (Original) The phantom of claim 2 wherein the first section further comprises a plurality of tubes wherein each tube contains a common composition of paramagnetic gel, agarose gel, deuterium oxide, and water.
4. (Original) The phantom of claim 3 wherein the common composition includes approximately:
1.5 millimolar nickel(II) chloride paramagnetic salt;
1 percent by weight agarose gel;
35 percent by volume deuterium oxide;
65 percent by volume water; and
0.1% potassium sorbate.
5. (Original) The phantom of claim 2 wherein the second section further comprises a plurality of tubes wherein each tube contains a common composition of paramagnetic salt, agarose gel, deuterium oxide, and water.

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6 (Original) The phantom of claim 5 wherein the common composition

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